

Contents

Foreword	ix
Preface	xi
About the Editors	xiii
Contributors	xv
01. Epidemiology of COVID-19 <i>Amit Kumar</i>	1
02. Paradigm Shifts in Understanding SARS-CoV-2 Virology and Disease <i>Robert W. Malone and Jill Glasspool Malone</i>	13
03. COVID-19 Testing <i>Cesar Ivan Patiño-Barrera, Mariya Mohiuddin, and Joseph Varon</i>	27
04. COVID-19 Prevention and Vaccines <i>Carmen Alvarez and Vicente Soriano</i>	47
05. Cardinal Manifestations of COVID-19 <i>Jose Iglesias and Paul Marik</i>	65
06. Cardiovascular Manifestations of COVID-19 <i>Rajesh Mohan</i>	71
07. Pulmonary Manifestations of COVID-19 <i>Jose Iglesias, Pierre Kory, and Paul Marik</i>	89
08. COVID-19–Associated Renal Involvement and Acute Kidney Injury <i>Jose Iglesias and Jerrold S. Levine</i>	103
09. Gastrointestinal Complications of COVID-19 <i>Vinod Nookala and Priyaranjan Kata</i>	117
10. Surveying the Association between SARS-COV-2 (COVID-19) and Its Neurological Manifestations: An Overview <i>Sumul Raval and Ruchi N. Raval</i>	127
11. Cutaneous Manifestations of SARS-CoV-2 <i>Vignesh Ravi, Alessandra Chen, Marie Donaldson, and Binh Ngo</i>	141
12. Pharmacotherapy of COVID-19 <i>Binh Ngo and Marc Rendell</i>	151
13. Hospital Medicine <i>Eric Osgood, Steven Hamilton, Ahmed Elkhouly, and Jose Iglesias</i>	161
14. COVID-19 and Emergency Medicine <i>William Dalsey, Nicole Maguire, Danielle Biggs, Joslyn Joseph, and Lisa Armstrong</i>	177
15. COVID-19 and Anesthesia <i>Wouter Jonker and Anish Patil</i>	213

16. Tracheostomy during COVID-19 Pandemic	219
<i>Christopher de Souza, Anish Patil, Srinivasan Ramnathan, Kiran Shekade, Prakash Jjandani, and Rosemarie de Souza</i>	
17. Donning and Doffing	225
<i>Christine Filippone</i>	
18. Outpatient Management	237
<i>Jose Iglesias, Amit Setya, and Paul Marik</i>	
19. Telemedicine and the COVID-19 Pandemic	255
<i>Mika Turkia</i>	
20. Palliative Care during COVID-19	263
<i>Marianne M. Holler</i>	
21. Comorbidities and COVID-19 Perspectives and Challenges	273
<i>Jose Iglesias and Joseph Varon</i>	
Index	287